

### **REMARKS**

By this amendment, claim 41 has been amended, claims 34-40 have been cancelled, and claims 42-44 have been added. Accordingly, claims 1-6 and 41-44 are currently pending in the application, of which claims 1 and 41 are independent claims.

Applicant respectfully submits that the above amendments do not add new matter to the application and are fully supported by the specification.

Entry of the Remarks is respectfully requested because entry of Remarks places the present application in condition for allowance, or in the alternative, better form for appeal. In view of the above amendments and the following Remarks, Applicant respectfully requests reconsideration and timely withdrawal of the pending objections and rejections for the reasons discussed below.

Applicant notes that the preliminary amendment filed March 14, 2004, which amends the specification, the abstract, and claims 1 and 5, cancels claims 7-33, and adds claims 34-41, has been entered.

### **REJECTION OF CLAIMS 34-41 UNDER 35 U.S.C. §112(2)**

On page 2, numbered paragraph 2 of the Office Action, claims 34-41 are rejected under 35 U.S.C. §112(2) as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as their invention. Specifically, the Examiner asserts that “it is not clear what is intended to be excluded” by the “consisting” language in claims 34, 40, and 41.

In light of the foregoing rejection and to clear any confusion associated with the claim language, Applicants have amended claim 41 to recite “comprising” instead of “consisting

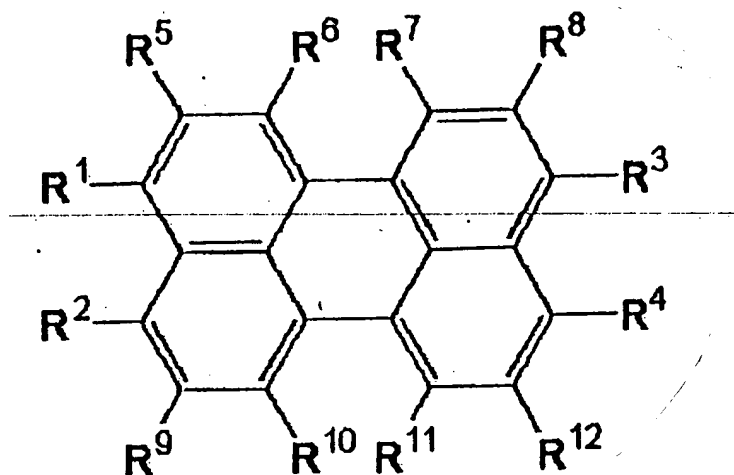
essentially of.” Applicants have further amended claim 41 to correct a typographical error so that the claim reads “An organic layer for an electroluminescent device.”

In addition, claims 33-40 have been cancelled, rendering this rejection moot.

**Rejection of Claims 1, 3, 34, 40, and 41 under 35 U.S.C. §102(e)**

On page 3, numbered paragraph 3 of the Office Action, the Examiner rejected claims 1, 3, 34, 40, and 41 under 35 U.S.C. 102(e) as being anticipated by Shi et al. (U.S. 6,013,383) (“Shi”). “A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference.” *Verdegaal Bros. v. Union Oil Co. of California*, 84 F.2d 628, 631, 2 USPQ.2d 1051, 1053 (Fed. Cir. 1987). Claims 34 and 40 have been cancelled. Shi does not disclose all of the elements recited in claims 1, 3, and 41 of the present application. Therefore, Applicant respectfully requests that this rejection be withdrawn for at least the following reasons.

Independent claim 1 and claim 41 are directed to an electroluminescent device and an organic layer for an electroluminescent device, respectively, comprising a compound represented by chemical formula C1, as shown below.



As shown in C1, the compound of the present invention includes four aromatic rings that are connected to each other. A central portion that is formed by the connection of the four aromatic rings is not itself an aromatic ring.

Shi fails to teach all of the features of claim 1 and 41 of the present invention. In particular, Shi fails to teach a compound with the structure of C1. Instead, Shi teaches a chemical structure with a five aromatic ring backbone, as shown in Formulae (VI) and (VII) of Col. 6. Since Shi's chemical structure has a different backbone than C1 of the present invention, claims 1 and 41, and those claims that depend therefrom are patentably distinct over Shi.

Accordingly, Applicants respectfully request withdrawal of the 102(e) rejection of claims 1, 3, 34, 40, and 41. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed limitation, Applicants respectfully submit that independent claims 1 and 41, and all the claims that depend therefrom are allowable.

#### **Rejection of Claims 2, 4-6, 35, and 37-39 under 35 U.S.C. §103(a)**

On page 3, numbered paragraph 6 of the Office Action, the Examiner rejected claims 2, 4-6, 35, and 37-39 under 35 U.S.C. 103(a) as being unpatentable over Shi as applied to claims 1, 3, 34, 36, 40, and 41 above, and for further reasons. Applicants respectfully traverse this rejection for at least the following reasons.

Claims 35 and 37-39 have been cancelled, rendering these rejections moot.

Claims 2 and 4-6 depend from independent claim 1. As stated above, claim 1 is patentably distinct from the compound recited in Shi because it comprises four aromatic rings

that are connected together, while Shi recites a five aromatic ring backbone. Since Shi fails to teach the features of claim 1, claims 2 and 4-6 are patentable over Shi.

Accordingly, Applicants respectfully request withdrawal of the 103(a) rejection of claims 2, 4-6, 35, and 37-39. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed limitation, Applicants respectfully submit that claims 2 and 4-6 are allowable.

**Rejection of Claims 1-6, and 34-41 under 35 U.S.C. §103(a)**

On page 4, numbered paragraph 7 of the Office Action, the Examiner rejected claims 1-6 and 34-41 under 35 U.S.C. 103(a) as being unpatentable over JP 9-268284 ('284 patent).

Applicants respectfully traverse this rejection for at least the following reasons.

Claims 34-40 have been cancelled, rendering these rejections moot.

As stated above, independent claim 1 and independent claim 41 are directed to an electroluminescent device and an organic layer for an electroluminescent device, respectively, comprising a compound represented by chemical formula C1. In particular, both claims recite:

wherein at least one of R<sup>1</sup> to R<sup>4</sup> is a di-aryl amino group represented with -NAr<sup>1</sup>Ar<sup>2</sup> where each of Ar<sup>1</sup> and Ar<sup>2</sup> independently indicates an aryl group having a carbon number of 6 to 20 both inclusive...

The '284 patent is a deficient reference because it fails to teach all the features of claim 1 and claim 41. For example, the '284 patent does not show that at least one substituent that is bonded to an aromatic group is a di-aryl amino group.

Since the '284 patent does not teach all the limitations of claim 1 and claim 41, the Applicants respectfully submit that these claims are patentable over the '284 patent.

Accordingly, Applicants respectfully request withdrawal of the 103(a) rejection of claims 1-6 and 34-41. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed limitation, Applicants respectfully submit that independent claims 1 and 41, and all the claims that depend therefrom are allowable.

**CONCLUSION**

It is respectfully requested that this amendment be entered prior to the examination of the above-referenced patent application. Applicants respectfully submit that the claims as presented are patentable over the prior art of record, request reconsideration and withdrawal of the objections and rejections to the claims, and request that the claims be passed to issuance. If the Examiner desires any additional information, the Examiner is invited to contact applicants' attorney at the telephone number listed below to expedite prosecution.

Respectfully submitted,



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